



01-23-06

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail****Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450****or Fax (571) 273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00164 7590 10/20/2005

**KINNEY & LANGE, P.A.
THE KINNEY & LANGE BUILDING
312 SOUTH THIRD STREET
MINNEAPOLIS, MN 55415-1002**

01/24/2006 AKELECH2 00000080 10631919

01 FC:1501 1400.00 OP
02 FC:1504 300.00 OP

SENT VIA EXPRESS MAIL

LABEL NO.:

EV655619571US

David R. Fairbairn

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,919	07/31/2003	Huazhou Lou	I69.12-0592	9621

TITLE OF INVENTION: DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	-NO	\$1400	\$300	\$1700	01/20/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
TZENG, FRED	2651	360-075000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Kinney & Lange, P.A.

2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seagate Technology LLC

Scott Valley, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s):

 A check in the amount of the fee(s) is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 11-0982 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature David R. FairbairnDate 1/20/06Typed or printed name David R. FairbairnRegistration No. 26,047

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Huazhou Lou	
Appln. No.	: 10/631,919	
Filed	: July 31, 2003	Group Art Unit: 2651
Title	: DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION	Examiner: Fred Tzeng
Docket No.	I69.12-0592	

EXPRESS MAIL COVER SHEET

Mail Stop Issue Fee
Commissioner For Patents
P.O. Box 1450
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Express Mail No.: EV 655619571 US

The following papers are being transmitted via **EXPRESS MAIL** to the U.S. Patent and Trademark Office on the date shown below:

1. Check in the Amount of \$1,700.00;
2. Fee Transmittal Sheet (in duplicate);
3. Part B - Fee(s) Transmittal Sheet (in duplicate); and
4. Return Receipt Postcard.

Respectfully submitted,

KINNEY & LANGE, P.A.

Date: 1/20/06

By 

David R. Fairbairn, Reg. No. 26,047
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Telephone: (612) 339-1863
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DRF:ks

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METHOD OF PAYMENT (Check One) 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No.11-0982. Deposit Account Name: Kinney & Lange, P.A. A duplicate copy of this communication is enclosed. 2. <input checked="" type="checkbox"/> Check Enclosed																																																																																																																																																																																																																																				
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EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Number Claims</th> <th>Prior</th> <th>Extra</th> <th>Fee from Fee Paid Below</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>—</td> <td>—</td> <td>= — X — = —</td> </tr> <tr> <td>Indep.</td> <td>—</td> <td>—</td> <td>= — X — = —</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td colspan="3">— = —</td> </tr> </tbody> </table> <p>Insert 3 and 20, or number previously paid if greater; Reissue see below</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>50</td> <td>2202</td> <td>25</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201</td> <td>200</td> <td>2201</td> <td>100</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>360</td> <td>2203</td> <td>180</td> <td>Multiple Dependent Claim</td> </tr> <tr> <td>1204</td> <td>200</td> <td>2204</td> <td>100</td> <td>Reissue Independent Claims Over Original Patent</td> </tr> <tr> <td>1205</td> <td>50</td> <td>2205</td> <td>25</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table> 3. APPLICATION SIZE FEE <p>If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 small) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 C.F.R. 1.16(s). <u>\$-0-</u></p>						Appn. Type	FILING FEE		SEARCH FEES		EXAM FEES		FEE/SMALL	Fee/Small	FEE/SMALL	Fee/Small	FEE	FEES	PD.							Utility	300 / 150	500 / 250	200 / 100	—	—	—	Design	200 / 100	100 / 50	130 / 65	—	—	—	Reissue	300 / 150	500 / 250	600 / 300	—	—	—	Provisional	200 / 100	-0- / -0-	-0- / -0-	—	—	—		Subtotal (1) \$-0-						Number Claims	Prior	Extra	Fee from Fee Paid Below	Total	—	—	= — X — = —	Indep.	—	—	= — X — = —	Multiple Dependent Claims	— = —			Large Entity Fee Code	Small Entity Fee Code	Description	1202	50	2202	25	Claims in excess of 20	1201	200	2201	100	Independent claims in excess of 3	1203	360	2203	180	Multiple Dependent Claim	1204	200	2204	100	Reissue Independent Claims Over Original Patent	1205	50	2205	25	Reissue claims in excess of 20 and over original patent	FEE CALCULATION (Continued) 3. 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Signature David R. Fairbairn

David R. Fairbairn

Reg. No. 26,047

Date 1/20/06

Deposit Account No. 11-0982